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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1901-1903)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omission their kindness will be appreciated.

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**Barrett, O. W.** A forgotten fruit. [*Genipa Americana* L.] Plant. World, 6: 263, 264. N 1903.

**Berry, E. W.** The flora of the Matawan formation (Crosswicks clays). Bull. N. Y. Bot. Gard. 3: 45-103. *pl.* 43-57. 12 S 1903.

Includes 16 new species and varieties of fossil plants, in 12 genera.

**Berry, E. W.** New species of plants from the Matawan formation. Am. Nat. 37: 677-684. *f.* 1-9. O 1903.

Descriptions of five new species of fossil plants.

**Britton, E. G.** The splachnums. Bryologist, 6: 91-93. *pl.* 11. N 1903.

**Britton, N. L. & Rose, J. N.** New or noteworthy North American *Crassulaceae*. Bull. N. Y. Bot. Gard. 3: 1-45. 12 S 1903.

Ten new genera and 101 new species; also several new names and new combinations.

**Brotherus, V. F.** *Musci* novi Dussianae. Symb. Antill. 3: 421-429. 1 My 1903.

Describes 20 new species in 13 genera.

**Burr, H. G.** The embryology of *Vallisneria spiralis*. Ohio Nat. 3: 439-443. *f.* 1-17. Je 1903.

**Campbell, D. H.** The origin of terrestrial plants. Proc. Am. Assoc. Adv. Sci. 52: 463-482. 1903.

- Christ, V. H.** Die Varietäten und Verwandten des *Asplenium Rutamuraria* L. Hedwigia, **42**: 153-160. *pl.* 5-8. 4 Jl 1903; 161-177. 7 O 1903.  
Includes a brief discussion of the American forms.
- Claassen, E.** Interesting specimens of *Specularia perfoliata*. Ohio Nat. **3**: 418. Ap 1903.
- Clarke, C. S.** Mounting mosses. Bryologist, **6**: 102, 103. N 1903.
- Clute, W. N.** Fernwort notes — IV. Fern Bull. **11**: 105-107. [D] 1903.
- Clute, W. N.** The species-conception among the ternate botrychiums. Fern Bull. **11**: 115-117. [D] 1903.
- Dandridge, D.** More wild violets of Virginia. Garden, **61**: 354, 355. 31 My 1902.
- Dietel, P.** Bemerkungen über einige nordamerikanische Uredineen. Hedwigia, **42** (Beibl.): 179-181. *f.* 1, 2. 4 Jl 1903.  
Includes description of *Phragmidium Potentillae-Canadensis* sp. nov.
- Dietel, P.** Ueber die Teleutosporenform von *Uredo laeviuscula* D. et H. und über *Melampsora Fagi* D. et Neg. Ann. Myc. **1**: 415-417. S 1903.
- Dietel, P.** Ueber die *Uromyces*-Arten auf Lupinen. Hedwigia, **42** (Beibl.): 95-99. 28 Mr 1903.
- Druery, C. T.** New forms of ferns. Fern Bull. **11**: 118-120. [D] 1903.
- Eaton, A. A.** The genus *Equisetum* in North America. Fifteenth paper. Fern Bull. **11**: 108-114. [D] 1903.  
Includes descriptions of three new varieties of *E. hiemale*.
- Evans, A. W.** *Odontoschisma Macounii* and its North American allies. Bot. Gaz. **36**: 321-348. *pl.* 18-20. 15 N 1903.
- Faurot, F. A.** Notes on the early development of *Astragalus caryocarpus*. Proc. Iowa Acad. Sci. **8**: 210-214. *pl.* 9-11. 1901.
- Fischer, G.** [Erlangen.] Beiträge zur vergleichenden Anatomie des Blattes bei den Trifolieen. (Dissert. Univ. Erlangen.) 1-90. Erlangen, 1902.
- Fitzpatrick, T. J. & M. F. L.** *Betulaceae* of Iowa. Proc. Iowa Acad. Sci. **8**: 169-177. 1901.
- Fitzpatrick, T. J. & M. F. L.** The *Fagaceae* of Iowa. Proc. Iowa Acad. Sci. **8**: 177-196. 1901.
- Fitzpatrick, T. J. & M. F. L.** The *Juglandaceae* of Iowa. Proc. Iowa Acad. Sci. **8**: 160-169. 1901.

- Gifford, J.** The Luquillo Forest Reserve, Porto Rico. Forestry & Irrig. **9**: 537-541. N 1903. [Illust.]
- Gilbert, B. D.** The fern flora of New York. Fern Bull. **11**: 97-105. [D] 1903.
- Gilbert, B. D.** William Ralph Maxon. Fern Bull. **11**: 121. *portr.* [D] 1903.
- Gow, J. E.** Preliminary list of the flowering plants of Adair County. Proc. Iowa Acad. Sci. **8**: 152-159. 1901.
- Griggs, R. F.** Notes on interesting Ohio willows. Ohio Nat. **4**: 11-16. N 1903.
- Grout, A. J.** Some moss societies. Bryologist, **6**: 94-96. N 1903.
- Halsted, B. D.** Fungi injurious to forests. Statem. Penn. Dept. Forestry, 1901-02: 68-86. *pl.* 17-26. 1902.
- Harshberger, J. W.** An ecological study of the flora of mountainous North Carolina. Bot. Gaz. **36**: 241-258. 15 O 1903; 368-383. 15 N 1903.
- Haug, B. L.** Is Detmer's experiment to show the need of light in starch-making reliable? Bot. Gaz. **36**: 389-391. *f.* 1, 2. 15 N 1903.
- Hemsley, W. B.** *Fendlera rupicola*. Curt. Bot. Mag. **59**: *pl.* 7924. 1 N 1903.  
Native of southwestern North America.
- Hennings, P.** Zwei neue, Früchte bewohnende Uredineen. Hedwigia, **42** (Beibl.): 188, 189. 4 J1 1903.  
*Uredo Goeldiana*, on *Eugenia*, from Brazil; *Aecidium Purpusiorum*, on *Crataegus*, from Mexico.
- Hieronymus, G.** *Selaginellae novae*. Symb. Antill. **3**: 524-527. 1 My 1903.  
Descriptions of three new species.
- Hodge, C. F.** Nature study and life. i-xvi. 1-514. *f.* 1-196. Boston, 1902.
- Holm, T.** Some new anatomical characters for certain *Gramineae*. [Dissert. Catholic Univ. Am.] 1-35. New Haven, 1903.  
[Originally published, with two text-figures, in Bot. Centralb. Beih. **11**: 101-133. 1901.]
- Holzinger, J. M.** On some fossil mosses. Bryologist, **6**: 93, 94. N 1903.
- Hooker, J. D.** *Cotyledon (Echeveria) pulvinata*. Curt. Bot. Mag. **59**: *pl.* 7918. 1 O 1903.  
Native of Mexico.

- Hooker, J. D.** *Draba Gilliesii*. Curt. Bot. Mag. 59: pl. 7913. 1 S 1903.  
Native of Chile.
- House, H. D.** *Scolopendrium* from Canada. Fern. Bull. 11: 107. [D] 1903.
- Howell, T.** A flora of Northwest America, 1: 563-666. 20 J1 1902.  
Includes new species and names in *Eriogonum* (2), *Betula*, *Salix*, *Habenaria*, *Iris*, *Unifolium* and *Trillium*.
- Jones, M. E.** Contributions to Western botany, No. 11. 1-22. Robinson, Utah, 10 Ap 1903.  
Includes descriptions of new species in *Leucothoe*, *Eriogonum* (10) and *Atriplex* (2), and over fifty new trinomials and varieties in several genera.
- Kellerman, W. A.** Minor plant notes, No. 5. Ohio Nat. 4: 20-22. N 1903. [Illust.]
- Kurtz, F.** Contribuciones á la Palaeophytologia Argentina. III. Sobre la existencia de una Dakota-flora en la Patagonia austro-occidental. Rev. Mus. de la Plata, 10: 43-60. 1902.
- Limpricht, W.** Beitrag zur Kenntniss der Taccaceen. (Dissert. Univ. Breslau.) 1-59. Breslau, 1902.
- Lloyd, C. G.** Botanical nomenclature. Am. Jour. Pharm. 74: 303, 304. Je 1902.
- MacDougal, D. T.** Some aspects of desert vegetation. Plant World, 6: 249-257. pl. 32-36 + f. 1-5. N 1903.
- Mez, C.** Myrsinaceae. Symb. Antill. 2: 389-433. 1 O 1901.  
Includes descriptions of new species in *Ardisia* (2), *Wallenia* (5), *Stylogyne* (2), *Conomorpha*, *Weigeltia* and *Cybianthus*.
- Mez, C.** Theophrastaceae. Symb. Antill. 2: 434-451. 1 O 1901.  
Includes descriptions of two new species of *Jacquinia*.
- Moore, A. C.** The mitoses in the spore mother-cell of *Pallavicinia*. Bot. Gaz. 36: 384-388. f. 1-6. 15 N 1903.
- Morgan, T. H.** Evolution and adaptation. i-xiii. 1-470. f. 1-3. New York, 1903.
- Mueller, H. A.** Shrubs and trees of Madison County. Proc. Iowa Acad. Sci. 8: 196-204. 1901.
- Pammel, L. H.** The thistles of Iowa, with notes on a few other species. Proc. Iowa Acad. Sci. 8: 214-239. pl. 12-31 + f. 9-15. 1901.  
*Cnicus Iowensis* and *C. Nelsoni* are described as new.
- Pilger, R.** *Arthrostylidium* Rupr. Symb. Antill. 2: 336. 20 O 1900; 337-343. 1 O 1901.  
Includes descriptions of five new species.

- Poindexter, C. C.** The development of the spikelet and grain of corn. Ohio Nat. 4: 3-9. *f. 1-11.* N 1903.
- Prenger, A.** Systematisch-anatomische Untersuchungen von Blatt und Achse bei den Podalyrieen-Gattungen der nördlichen Hemisphäre und des Kapgebietes, u. s. w. (Dissert. Univ. Erlangen.) 1-111. Erlangen, 1901.
- Rehm, H.** Ascomyceten-Studien I. Hedwigia, 42 (Beibl.): 172-176. 4 Jl 1903.  
Includes the descriptions of several new South American species.
- Rosenthaler, L.** Phytochemische Untersuchung der Fischfangpflanze *Verbascum sinuatum* L. und einiger anderer Scrophulariaceen. (Dissert. Univ. Strassburg.) 1-109. Frankfurt a. M., 1901.  
Includes an annotated list of all plants which are used to poison fish.
- Rothrock, J. T.** The black willow (*Salix nigra* Marsh.) as a protector of river banks. Statem. Penn. Dep. Forestry, 1901-02: 136, 137. *pl. 32.* 1902.
- Sargent, C. S.** *Crataegus* in Rochester, New York. Proc. Rochester Acad. Sci. 4: 93-136. 1 Je 1903.  
Includes descriptions of 27 new species.
- Sargent, C. S.** Trees and shrubs; illustrations of new or little known ligneous plants. (Part II.) 1: 51-100. *pl. 26-50.* Boston, 13 My 1903.  
Includes new North American species in *Crataegus* (8) and *Solanum*.
- Schaffner, J. H.** The maximum height of plants, V. Ohio Nat. 4: 23. N 1903.
- Schaffner, J. H.** Ohio plants with contractile roots. Ohio Nat. 3: 410. Ap 1903.
- Schaffner, J. H.** Poisonous and other injurious plants of Ohio. Ohio Nat. 4: 16-19. N 1903; 32-35. D 1903.
- Schulz, O. E.** *Cruciferae*. Symb. Antill. 3: 493-523. 1 My 1903.  
Recognizes 23 Antillean species, in 11 genera.
- Schumann, K.** Gesamtbeschreibung der Kakteen. Nachträge 1898 bis 1902. i-viii. 1-71. *f. 1-35.* Neudamm, 1903.  
With descriptions of new species in several genera.
- Shimek, B.** Addenda to the flora of Lyon County. Bull. Lab. Nat. Hist. State Univ. Iowa, 5: 215, 216. My 1901.
- Spegazzini, C.** Nova addenda ad floram Patagonicam, Pars III. Anal. Mus. Nac. Buenos Aires, 7: 135-144. 27 F 1902; 145-160.

5 Mr 1902; 161-176. 7 Mr 1902; 177-192. 10 Mr 1902: 193-203. 17 Mr 1902.

Includes 26 new species in 18 genera, one of which (*Aonikena*) is new; and *Halophytum* gen. nov. = *Tetragonia Ameghinoi* Speg.

**Spegazzini, C.** Nova addenda ad floram Patagonicam, Pars IV. Anal. Mus. Nac. Buenos Aires, 7: 203-208. 17 Mr 1902; 209-224. 20 Mr 1902; 225-240. 22 Mr 1902; 241-256. 4 Ap 1902; 257-272. 5 Ap 1902; 273-288. 10 Ap 1902; 289-308. 14 Ap 1902.

Including 44 new species in 28 genera, one of which (*Delpinoella*) is new.

**Stephani, F.** *Hepaticae novae Dussianae*. Symb. Antill. 2: 469-472. 1 O 1901.

New species in eight genera.

**Sydow, H. & P.** Beitrag zur Pilzflora Sud-Amerikas. Hedwigia, 42 (Beibl.): 105, 106. 9 My 1903.

Includes descriptions of 7 new species in 5 genera.

**Urban, I.** *Burmanniaceae*. Symb. Antill. 3: 430-452. 1 My 1903.

A monograph of the West Indian representatives of the family, with four new species and a new genus (*Marthella*); two new Brazilian genera are also described (*Miersiella* and *Hexapterella*) and two new Brazilian species of *Gymnosiphon*.

**Urban, I.** Enumeratio *Gesneriacearum*. Symb. Antill. 2: 344-388. 20 Ap 1901.

Includes descriptions of 16 new species in 6 genera.

**Urban, I.** Nova genera et species I. Symb. Antill. 2: 452-468. 1 O 1901.—II. Symb. Antill. 3: 280-352. 15 Au 1902; 353-420. 1 My 1903.

Descriptions of many new genera and species from the West Indies.

**Warburg, O.** *Ficus* Linn. Symb. Antill. 3: 453-492. 1 My 1903.

Thirty-three native Antillean species are recognized, of which twenty-one are described as new.

**Waters, C. E.** Ferns: a manual for the Northeastern States. i-xi. 1-362. New York. Au 1903. [Illust.]

**Waters, C. E.** Field notes. Plant World, 6: 264. N 1903.

**Whitten, J. C.** Das Verhältnis der Farbe zur Tötung von Pfirsichknospen durch Winterfrost. (Dissert. Univ. Halle-Wittenberg.) 1-34. f. 1-4. Halle a. S., 1902.

**Wildeman, E. de.** *Agave filifera* Salm Dyck, var. *filamentosa* Baker. Ic. Sel. Hort. Thenensis, 4: 107-110. pl. 144. Jl 1903.  
Native of Mexico.